

ABSTRACT OF THE DISCLOSURE

In a communications system in which a plurality of subscriber apparatuses and a station apparatus are connected to the same transmission channel for bidirectional communication, a bandwidth allocated in a direction from subscriber apparatuses to a station apparatus is dynamically updated. More specifically, a bandwidth usage rate is calculated from a bandwidth allocated in a updating period and a bandwidth actually used in the updating period. A bandwidth to be allocated in a subsequent period is determined based on the bandwidth usage rate thus calculated. With this construction, the station apparatus is capable of allocating the bandwidth required by the subscriber apparatuses or subscriber terminal apparatuses so that the bandwidth is efficiently used.

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